



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yutaka MURAKAMI et al.

Serial No.: 09/240,632

Art Unit: 2634

Filed: February 1, 1999

Examiner: C.M. Fan

For: MODULATION METHOD AND RADIO
COMMUNICATION SYSTEM

Atty Docket: 20402/0568

RECEIVED

JUN 07 2002

Technology Center 2800

RESPONSE AND AMENDMENT UNDER 37 CFR § 1.111

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated January 3, 2002, please amend the above-captioned application as follows:

IN THE CLAIMS:

Kindly cancel claims 2, 14-32, 34 and 35, without prejudice or disclaimer.

Kindly amend claims 1, 3, 5, 13 and 33 as follows:

COPY

1. (Amended) A method for modulation, comprising the steps of:
regularly subjecting an input digital signal to first modulation and second
modulation to convert the input digital signal into a pair of a baseband I signal and a
baseband Q signal, the first modulation and the second modulation being different from
each other; and

CPNT

outputting the pair of the baseband I signal and the baseband Q signal;
wherein the first modulation is at least 4-signal-point modulation, and the second
modulation is phase shift keying;